What i claimed is:

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1. An alarm management method comprising:

providing one or more types of weight coefficients for each alarm generated by an apparatus to be managed;

multiplying the weight coefficient types to obtain the total weight coefficient for each alarm;

multiplying, by the total weight coefficient, a "1", which represents a case count for one generation of each alarm, and obtaining a weighted case count for each alarm; and

adding the weighted case counts for individual alarms to prepare statistics for the weighted number of alarm generation cases.

- 2. An alarm management method according to claim 1, wherein the one or more weight coefficient types include a weight coefficient designated by a user as an inherent value for each alarm type.
- 3. An alarm management method according to claim 1,
 wherein the one or more weight coefficient types include a
 weight coefficient designated by a user for each time an alarm
 is generated.
- 4. An alarm management method, according to claim 1, 25 wherein the one or more weight coefficient types include a weight coefficient that is automatically determined based on a predetermined rule.

- 5. An alarm management method acc rding to claim 4, wherein the automatically determined weight coefficient is determined in accordance with a period extending from the generation, in the apparatus, of a specific alarm to be managed until the specific alarm is canceled.
 - 6. An alarm management method comprising:

correlating each alarm generated by an apparatus to be
10 managed and apparatus data representing the status of the
apparatus by employing a date and time wherein the alarm was
generated as a key;

preparing a trend graph for predetermined apparatus data included in the apparatus data obtained from the apparatus to be managed; and

displaying on the trend graph a date and time whereat a predesignated alarm was generated based on the torrelation.

7. An alarm management method comprising:

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preparing statistics only for alarms that were generated by an apparatus to be managed when predetermined apparatus data included in the apparatus data that are obtained from the apparatus and that represent the status of the apparatus, have a predesignated value or are within a predesignated range.

8. An alarm management method according to claim 1, wherein the alarms are managed using alarm IDs for identifying

the alarms.

- An alarm management method according to claim 6,
 wherein the alarms are managed using alarm IDs for identifying
 the alarms.
 - 10. An alarm management method according to claim 7, wherein the alarms are managed using alarm IDs for identifying the alarms.

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- 11. An alarm management apparatus comprising:
- a data collection device for collecting alarm data for alarms generated by an apparatus to be managed;
- a database device for storing the alarm data collected

 15 by the data collection device; and
 - an alarm statistic device for preparing alarm statistics using the alarm data stored by the database device, the alarm statistic device including,
- a weight coefficient provision unit for providing common or more types of weight coefficients for each alarm.
 - a total weight coefficient calculation unit for multiplying the weight coefficients for each alarm to obtain a total weight coefficient,
- a weighted case count calculation unit for multiplying,

 25 by the total weight coefficient, a "1" that represents a case

 count for one generation of each alarm, and for obtaining a

 weighted case count for each alarm, and

a statistics preparation unit for adding weighted case counts for individual alarms to obtain statistics for the weighted number of alarm generation cases.

12. An alarm management apparatus according to claim
11, wherein the alarm statistic device includes,

a weight coefficient setup unit for setting up, as one of the weight coefficients, a unique weight coefficient for each alarm type.

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13. An alarm management apparatus according to claim
11, wherein the alarm statistic device includes:

a weight coefficient setup unit for setting up, as one of the weight coefficients, a weight coefficient for each time an alarm is generated.

14. An alarm management apparatus according to claim
11, wherein the alarm statistic device includes:

a weight coefficient determination unit for automatically determining, based on a predetermined rule, a weight coefficient as one of the weight coefficients.

15. An alarm management apparatus according to claim
14, wherein the weight coefficient determination unit determines
25 a weight coefficient in accordance with a period extending
from the generation, in the apparatus, of a specific alarm
to be managed to the cancellation of the specific alarm.

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- 16. An alarm management apparatus comprising:
- a data collection device for collecting alarm data for alarms generated by an apparatus to be managed;
- a database device for storing the alarm data collected by the data collection device; and

an alarm statistic device for preparing alarm statistics using the alarm data stored by the database device, the alarm statistic device including,

- a linking unit for employing, as a key, a date and a time whereat an alarm was generated and for correlating each alarm generated by the apparatus with apparatus data representing the status of the apparatus.
- a trend graph preparation unit for preparing a trend

 15 graph for predetermined apparatus data included in the apparatus data, and

a display unit for displaying the trend graph prepared by the trend graph preparation unit, and for, based on the correlation, displaying on the trend graph a date and time whereat a predesignated alarm was generated.

- 17. An alarm management apparatus comprising:
- a data collection device for collecting alarm data for alarms generated by an apparatus to be managed;
- a database device for storing the alarm data collected by the data collection device; and

an alarm statistic device for preparing alarm statistics

using the alarm data stored by the database device, the alarm statistic device including,

a filtering unit for extracting, as statistical targets, only alarms that were generated by the apparatus when predetermined apparatus data, included in apparatus data, had a predesignated value or was within a predesignated range, and

a statistics preparation unit for preparing statistics for the alarms extracted by the filtering unit.

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- 19. An alarm management apparatus according to claim 11, wherein the alarms are managed by alarm TDs for identifying the alarms.
- 15 19. An alarm management apparatus according to claim 16, wherein the alarms are managed by alarm IDs for identifying the alarms.
- 20. An alarm management apparatus according to claim
 20 17, wherein the alarms are managed by alarm IDs for identifying
 the alarms.